

Title (en)
APPARATUS COMPRISING MEANS FOR MEASURING THE HUMIDITY OF A GAS AND METHOD FOR MEASURING HUMIDITY WITHIN SUCH AN APPARATUS

Title (de)
GERÄT MIT MITTEL ZUR MESSUNG DER FEUCHTIGKEIT EINES GASES UND VERFAHREN ZUR MESSUNG DER FEUCHTIGKEIT IN EINEM SOLCHEN GERÄT

Title (fr)
APPAREIL COMPRENANT DES MOYENS DE MESURE DE L'HUMIDITÉ D'UN GAZ ET PROCÉDÉ DE MESURE DE L'HUMIDITÉ DANS UN TEL APPAREIL

Publication
EP 3816759 A1 20210505 (EN)

Application
EP 20198352 A 20200925

Priority
GB 201915605 A 20191028

Abstract (en)
An apparatus such as a domestic oven incorporates an induction motor (30) which drives a fan (4). The temperature of the circulating gas and the slip of the rotor, coupled to the fan, are used to determine the humidity of gas within the oven. The temperature of the stator coil is also taken into account. The fan (4) is driven with relatively high torque to maximise the signal to noise ratio. The fan may be provided as the main fan or as a secondary fan dedicated to humidity measurement. In either case the fan has a long operational life time.

IPC 8 full level
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Citation (search report)

- [X] US 2003000284 A1 20030102 - HORVATH JENO [DE], et al
- [X] US 2003167823 A1 20030911 - GRUHBAUM KLAUS [DE], et al
- [A] WO 2018096369 A2 20180531 - CAMBRIDGE SENSOR INNOVATION LTD [GB]

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